Under the Central sector, in addition to the envisaged substantial generation capacity addition, the inter-State transmission network is also being further augmented for achieving adequate inter-State transmission system support for State Grids.

Supply of coal and gas for power generation

†2246. SHRI BRU BHUSHAN TIWARI:
SHRI BHAGWATI SINGH:
SHRI JANESHWAR MISHRA:

Will the Minister of POWER be pleased to state:

(a) whether it is a fact that sufficient quantity of coal and gas is not being provided to the power generating companies of the States;

(b) if so, the details of the measures being taken to rectify the same; and

(c) whether any research is being conducted by Government for other sources of power generation and if so, the progress made in this regard?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) Yes, Sir.

(b) (i) The following measures are being taken by the Government to ensure availability of coal to power stations:

- Monitoring of coal supply position to thermal power stations by Central Electricity Authority and Ministry of Power on daily basis.
- Regular periodic monitoring of production, transportation and stock ofcoal at all the major thermal power stations by an Inter-Ministerial Group headed by Additional Secretary, Ministry of Coal to address the constraints.
- Import of coal to meet the shotfall in supply of coal from domestic sources;
- New coal blocks are being allocated by the Ministry of Coal to power producers/utilities for captive mining to meet requirement of their power ""plants.
- New integrated pithead power and coal mining projects have been envisaged for implementation.
- New power projects entirely based on imported coal have been envisaged.

(ii) Following measures are being taken by the Government to bridge the gap between demand and supply of gas:

- Intensification of domestic Exploration and Production (E&P) activities.
- Exploitation of unconventional sources like Coal Bed Methane (CBM).

†Original notice of the question was received in Hindi.

- Underground coal gasification
- Implementation of Natural Gas Hydrate Programme (NGHP) for evaluation of hydrate resources and their possible commercial exploitation.
- Encouraging import of gas in the form of Liquefied Natural Gas (LNG) ; and
- Gas sourcing through transnational gas pipelines.

(c) Government is promoting wind generation, solar power, geothermal, tidal and other forms of energy. Research is being conducted to make solar power more cost effective.

Projects affected by shortage of gas

†2247. SHRI MOTILAL VORA:

SHRI SATYAVRAT CHATURVEDI:

\W11 the Minister of POWER be pleased to state:

(a) the names of the projects pending due to shortage of gas;

(b) the steps taken by Government to meet the shortage;

(c) the total volume of gas required for various projects per day; and

(d) the daily power production expected from the pending projects due to shortage of gas?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) to (d) The names of the power projects pending due to shortage of gas, totals volume of gas required for various projects per day and the daily power production expected from the pending projects are as under:

SI. No	Name of . Project	Capacity (MW)	Organizatio n/ State	Gas Requirement at 90% PLF (MMSCMD)	Expected daily Power Production (at 90% PLF) (MU)
1	2	3	4	5	6
A.	Pending for Commissioning due		to shortage of Gas		
1	Ratnagiri CCPP Block-3	740	Ratnagiri Pvt. Ltd.	1 Gas Power , Maharas	3.55 15.98
2	Gautami CCPP	464	Gautami Power Ltd., Andhra Pradesh	223	10.02

†Original notice of the question was received in Hindi.